

ESC for HDPEP

Sampling For the Independent Laboratory Testing Program

M294 Pipe

ESC Sampling for Independent Laboratory Testing Program - M294 Pipe
Obtain one or two 20' long samples of two different diameter pipes (Pipes larger than 24" will require two samples to obtain all the necessary specimens.)
<p>Have test specimens prepared from each sample as follows:</p> <p>For Pipe Stiffness and Flattening – two sets of 3 specimens, each length equivalent to the nominal outer diameter of the pipe. (These specimens will also be used to check dimensions and carbon black content)</p> <p>For Joint Integrity (these need only be taken for the set of specimens being sent to the independent laboratory)– 2 specimens, each 12" long, one on each side of joint, manufacturer to provide standard joint</p> <p>For Brittleness – Two sets of 1 specimen, length equivalent to nominal outer diameter of pipe</p> <p>For Environmental Stress Cracking – specimen will be taken from the stiffness/flattening specimens</p>
Obtain two, 2.5 lb. samples of the resin used to make each pipe. Only virgin resin pellets should be sampled – do not include carbon black or regrind pellets. Samples for blended resins will be obtained by weighing out the proportions of each resin or sampled after the blending operation, with the carbon black and regrind pellet feeds shut off.
Obtain a copy of the pipe manufacturer's production test results for each resin and pipe sample
Obtain a copy of the resin supplier's certification for each resin sample
<ol style="list-style-type: none"> 1) Attach the Pipe/Resin Sample Label (see page 3) to each pipe specimen and to the resin sample(s) that will be sent for independent testing. 2) Request that the pipe manufacturer ship one set of specimens from each pipe sample and the corresponding resin sample to the appropriate testing laboratory (see detailed instructions below) 3) Request that the manufacturer run all above tests, except the joint integrity test, on the second set of specimens for each pipe and resin sample (melt index, density, carbon black (from stiffness specimen), and NCLS if so equipped).

Additional Instructions for submitting samples, documents and fees:

A) The manufacturer should:

1) Ship the labeled resin samples, resin suppliers certification that the resin meets current AASHTO specification requirements, and the labeled pipe specimens to the following independent testing laboratory currently approved by the National Transportation Product Evaluation Program (NTPEP) for testing HDPEP :

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TRI Geosynthetics Laboratories
Attn: Pipe testing Program
9063 Bee Caves Road
Austin, Texas 78733
Contact: Sam Allen
E-mail: Sallen@tri-env.com

2) Send payment to:
Accounts Receivable
TRI/Environmental, Inc.
9063 Bees Cave Road
Austin, TX 78733
Phone: (512) 263- 2101
Fax: (512) 263-2558
Contact: Chris Perez, E-mail Cperez@tri-env.com

3) The current fees are as follows:

- Pipe Testing (per pipe sample): \$825.00
- Resin testing (per resin sample): \$1550.00
- Resin Melt Blending (if applicable – per resin sample): \$595.00
- Sample Shipment (if Applicable): Cost plus handling

4) Report the split sample test results along with the independent laboratory test results for each pipe sample to the ESC Lead State (if the manufacturer re-runs the resin tests, report these results also). The test results should be provided in the standard format as provide in the document section of the ESC web site.

B) The DOT Representative taking the sample specimens should:

1) Send an E-mail to Alan Rawson at ARawson@dot.state.nh.us listing the pipe sizes sampled and when shipping of pipe and resin samples is expected.

2) The inspection report documentation should include a copy of the independent laboratory sample tags for each sample of resin and pipe, the resin supplier's certification for each resin sample, and the pipe manufacturers production resin and quality control test results.

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ESC Pipe/Resin Sample Label	
Product Trade Name:	
Pipe Size being submitted: (please circle appropriate size, one form per size) 12" 15" 18" 24" 30" 36" 42" 48" 60"	
Other size:	
Resin Sample Submitted: Yes No	
Test Requested: Resin Pipe Both	
Test for Compliance With: (Please circle one) AASHTO M252 AASHTO M294	
Manufacturer:	
Corporate Mailing Address:	
Street or P.O.	City:
State:	Zip Code:
Manufacturer's Contact Person:	
Name:	
Contact Mail Address (If different than above):	
Street or P.O.	City:
State:	Zip Code:
Telephone:	Fax:
E-mail:	
Manufacturer's Signature, Indicating Agreement to Pay Test Fees:	
ESC Inspector Contact Information:	
Name:	Agency:
Telephone:	Fax:
E-mail:	

Additional Comments: